

TA-V3

*AEP Model
UK Model
E Model*



INTEGRATED STEREO AMPLIFIER

SPECIFICATIONS

Amplifier section

Continuous RMS power output

At 1 kHz

38 + 38 watts (5% THD, 6 ohms)
33 + 33 watts (0.09% THD, 6 ohms)

At 20 Hz - 20 kHz, 0.09% THD

25 + 25 watts (6 ohms)

According to DIN 45500

25 + 25 watts (6 ohms)

Power bandwidth (IHF)

10 Hz - 30 kHz

Dynamic headroom 1.8 dB ('78 IHF)

Harmonic distortion Less than 0.09% at rated output

Intermodulation (IM) distortion

(60 Hz : 7 kHz = 4 : 1) Less than 0.09% at rated output

Frequency response PHONO : RIAA equalization curve ± 0.5 dB

TUNER

CD/AUX

TAPE

15 Hz - 50 kHz ± 0 dB

± 3 dB

Residual noise Less than 100 μ V (6 ohms, network A)

Damping factor 30 (6 ohms, 1 kHz)

Inputs

	Sensitivity	Impedance	Maximum input capability (1 kHz)	S/N (weighting network, input level)
PHONO	2.5 mV	50 k Ω	120 mV	73 dB 75 dB* (A, 2.5 mV)
TUNER				98 dB
CD/AUX	150 mV	50 k Ω	—	80 dB* (A, 150 mV)
TAPE				

* '78 IHF

Outputs

REC OUT

Voltage 150 mV

Impedance 4.7 kilohms

SPEAKER

Accepts speakers of 6 - 16 ohms.

HEADPHONES

Accepts low and high impedance headphones.

BASS

± 8 dB at 100 Hz

TREBLE

± 8 dB at 10 kHz

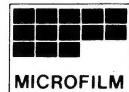
Loudness (att. 30 dB) +8 dB at 100 Hz

Tone controls

— Continued on page 2 —

SAFETY RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK **!** ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.



SONY
SERVICE MANUAL

FEATURES

General

System

Preamplifier section: low-noise NF type equalizer amp.; NF type tone control

Power amplifier section: quasi-complementary SEPP OTL OCL amplifier with all stages direct coupled

Power requirements

AEP model: 220 V ac (240 V ac adjustable by authorized Sony personnel), 50/60 Hz
UK model: 240 V ac (220 V ac adjustable by authorized Sony personnel), 50/60 Hz
E model: 120, 220 or 240 V ac adjustable, 50/60 Hz

Power consumption

70 watts

AC outlets

AEP, UK model: 1 switched, 100 watts max.
E model: 2 switched, total 100 watts max.
1 unswitched, 100 watts max.

Dimensions

Approx. 355 × 80 × 255 mm (w/h/d)
(14 × 3 1/4 × 10 inches)

including projecting parts and controls

Weight

Approx. 4.5 kg (9 lbs 15 oz) net

Approx. 5.0 kg (11 lbs 1 oz) in shipping carton

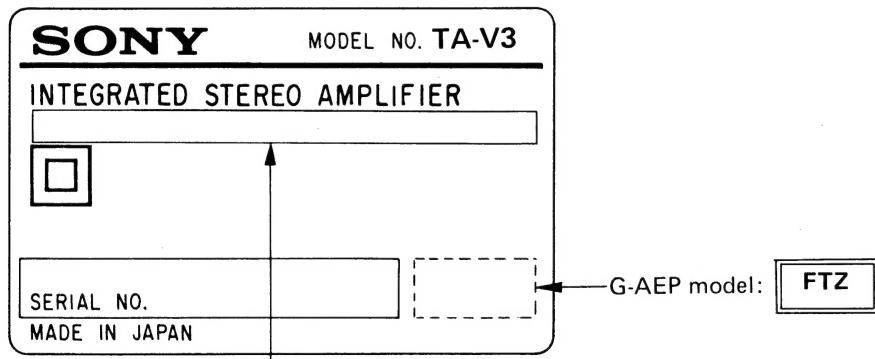
The Sony TA-V3 integrated stereo amplifier provides dynamic high-fidelity sound despite a remarkably compact cabinet.

- Slim, smart case.
- Spot-character function display to show quite clearly which function is in use.
- Loudness switch to compensate for human ear's reduced response at low volume.
- CD/AUX inputs for connecting a CD (compact disc) player.
- Soft-touch function switches.
- Cord clamp for ensuring tidy arrangement of the cords on the rear panel.

0 dB = 0.775 V

MODEL IDENTIFICATION

— Specification Label —



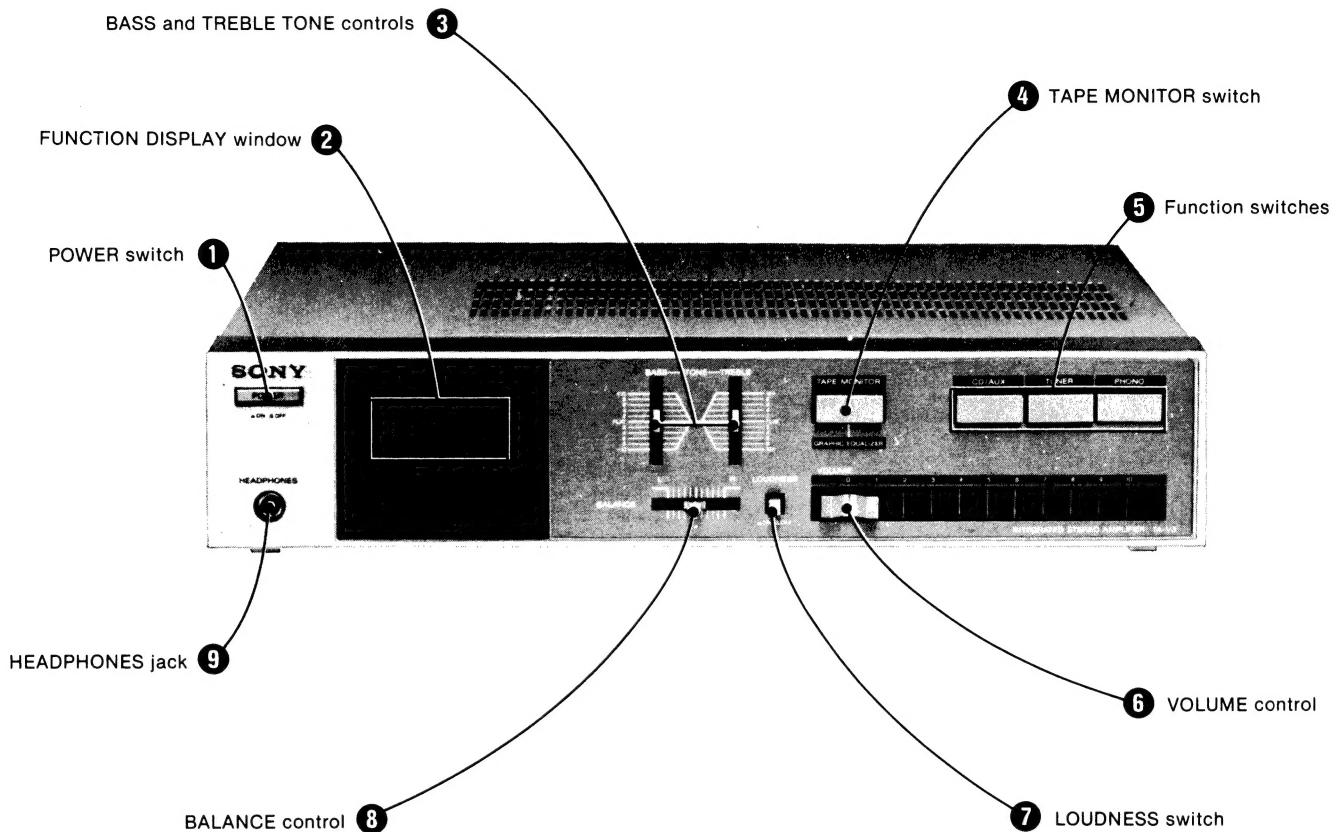
AEP model: AC: 220V ~ 50/60Hz 70W

UK model: AC: 240V ~ 50/60Hz 70W

E model: AC: 120/220/240V ~ 50/60Hz 70W

LOCATION AND FUNCTION OF CONTROLS

Each number in the photo is keyed to the descriptive text.



① POWER switch

Turns the operating power on or off.

② FUNCTION DISPLAY window

The program in use is displayed here.

③ BASS and TREBLE TONE controls

These levers control the bass and treble response. Sliding the levers towards +10 increases the response and sliding them towards -10 decreases it. The center FLAT position provides a flat response.

④ TAPE MONITOR switch

To listen to a taped program, depress this switch. "TAPE" is displayed in the FUNCTION DISPLAY window, and a playback output from the tape recorder connected to the TAPE RECORDER TAPE jacks can be heard.

When the graphic equalizer is connected, depress this switch after selecting the input source with the amplifier function switches. The input selector of the graphic equalizer must be set as required.

⑤ Function switches

Depress one of these switches to select a desired program source other than a taped program. The program in use is displayed in the FUNCTION DISPLAY window.

PHONO: For record programs (connected to PHONO inputs)

TUNER: For off-the-air programs (connected to TUNER inputs)

CD/AUX: For CD or other auxiliary programs (connected to CD/AUX inputs)

⑥ VOLUME control

Regulates the overall sound level.

Sliding the lever towards 10 increases the volume and sliding it towards 0 decreases the volume. Be sure to lower the volume whenever you turn the amplifier on or off or make system connections.

⑦ LOUDNESS switch

Normally keep the switch released (↔ OFF). When listening to program sources at a low VOLUME control setting, depress the switch (↔ ON).

This loudness control compensates for the human ear's decreased response to very low frequency sound at low volume levels, and provides an apparently uniform response.

⑧ BALANCE control

Governs the amount of sound coming from each paired speaker to get optimum stereo effect.

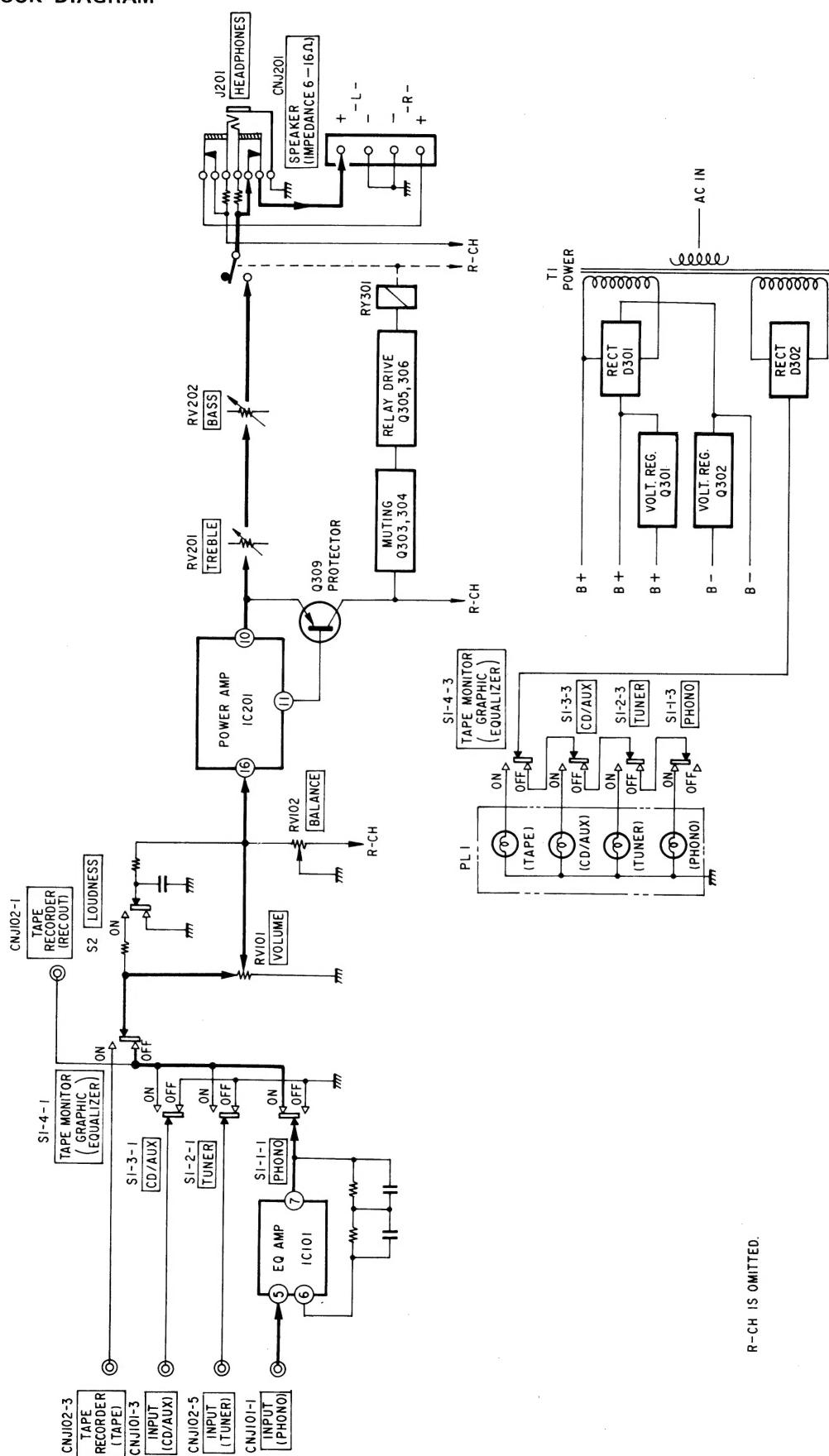
⑨ HEADPHONES jack

Accepts any low or high impedance stereo headphones.

SECTION 1

OUTLINE

1-1. BLOCK DIAGRAM



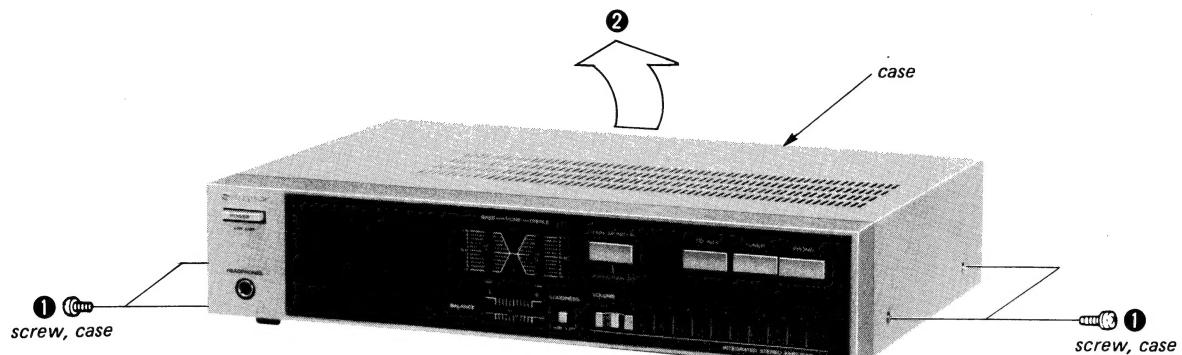
SECTION 2

DISASSEMBLY

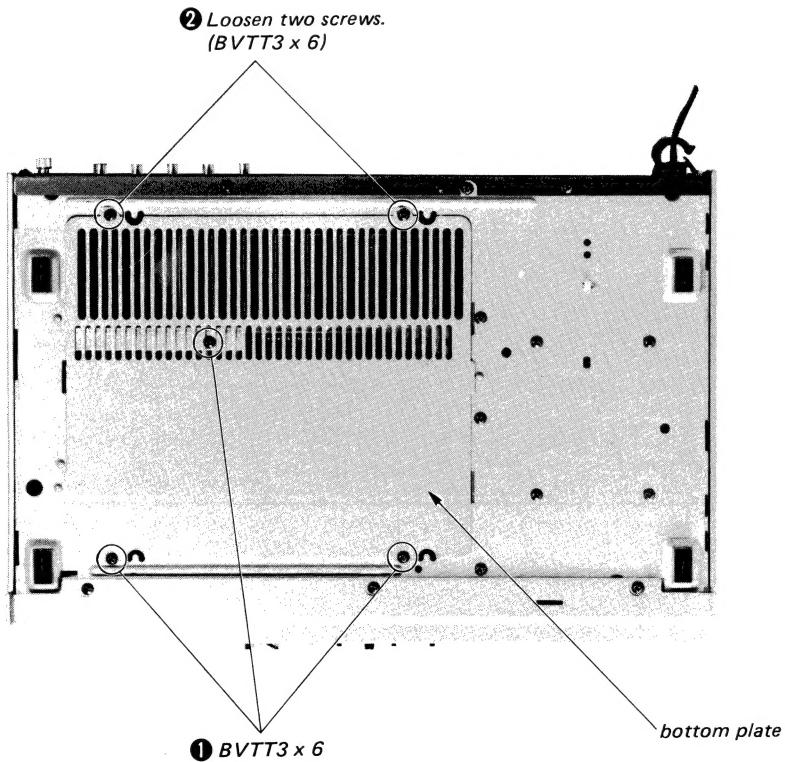
2-1. REMOVAL

Note: Follow the disassembly procedure in the numerical order given.

CASE



BOTTOM PLATE

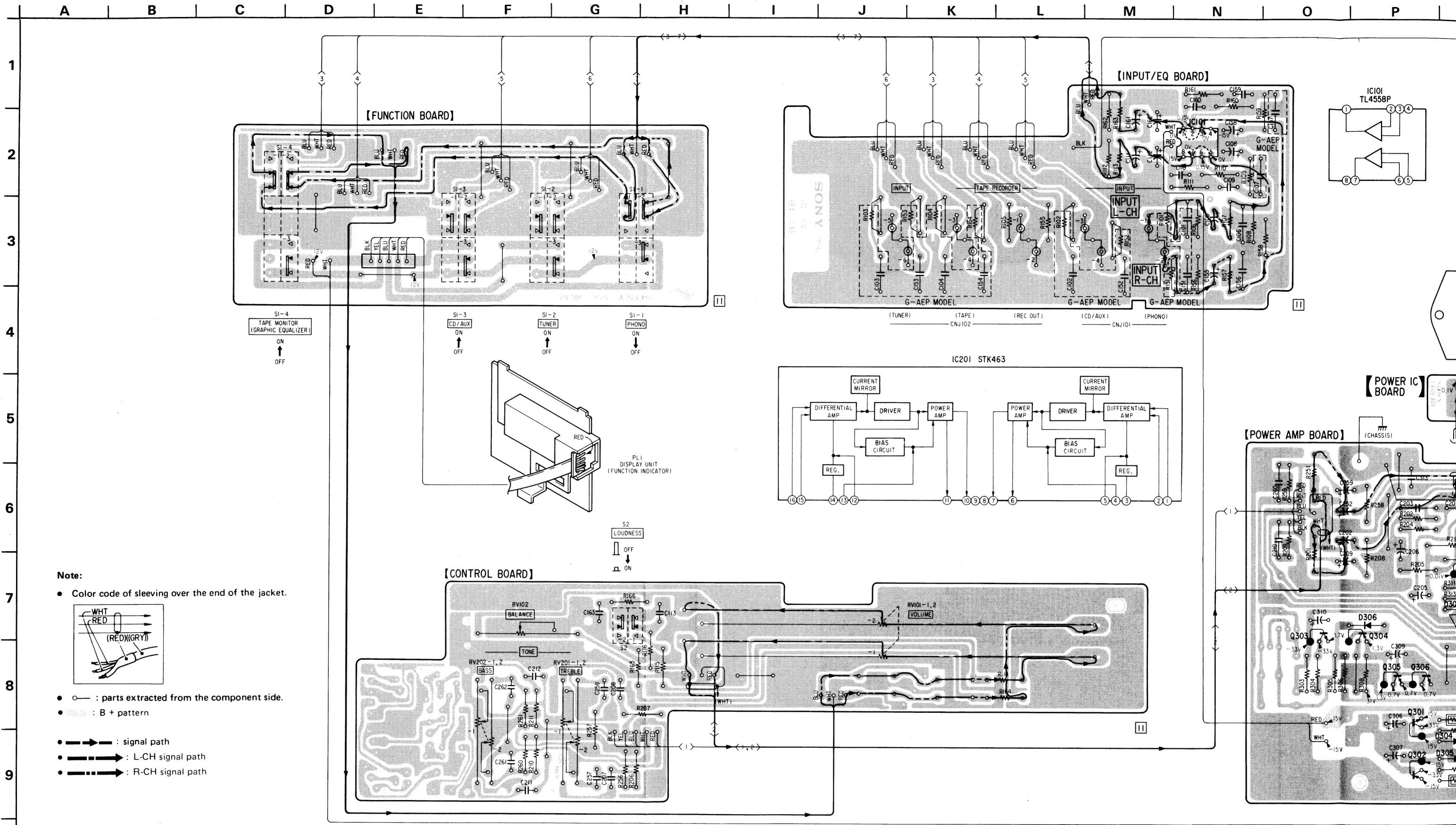


3-1. MOUNTING DIAGRAM

— Conductor Side —

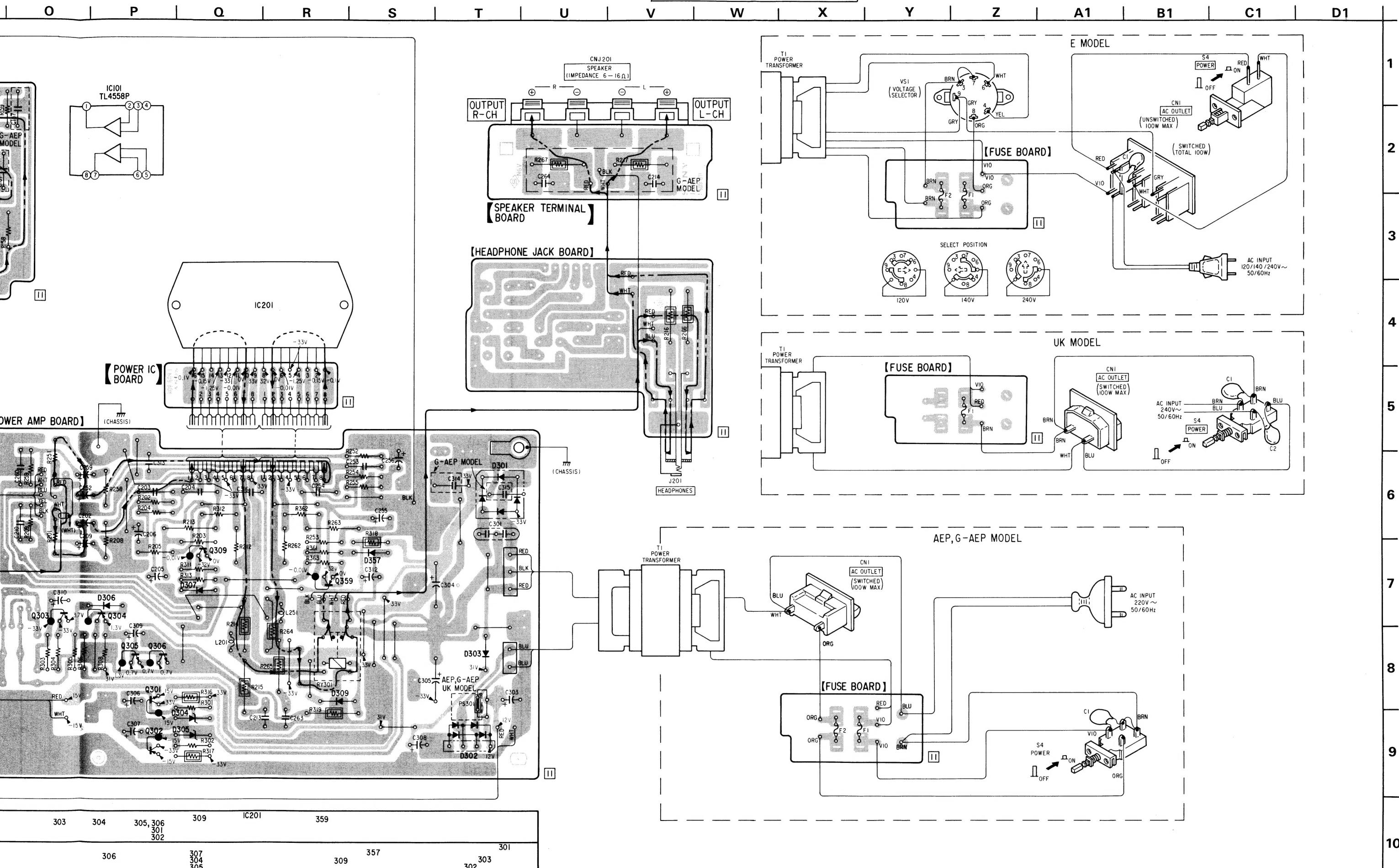
SECTION 3
DIAGRAMS

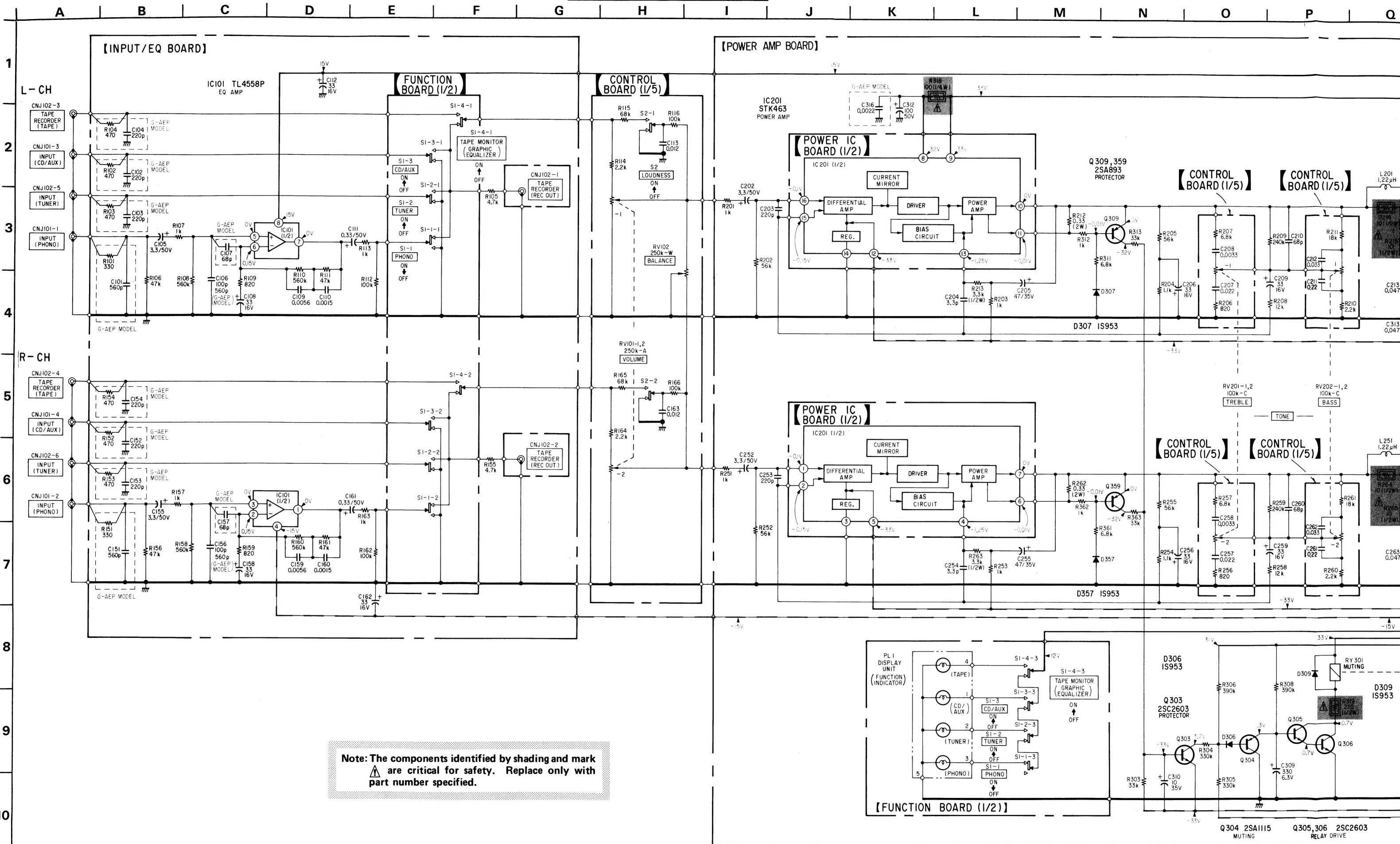
TA-V3 TA-V3

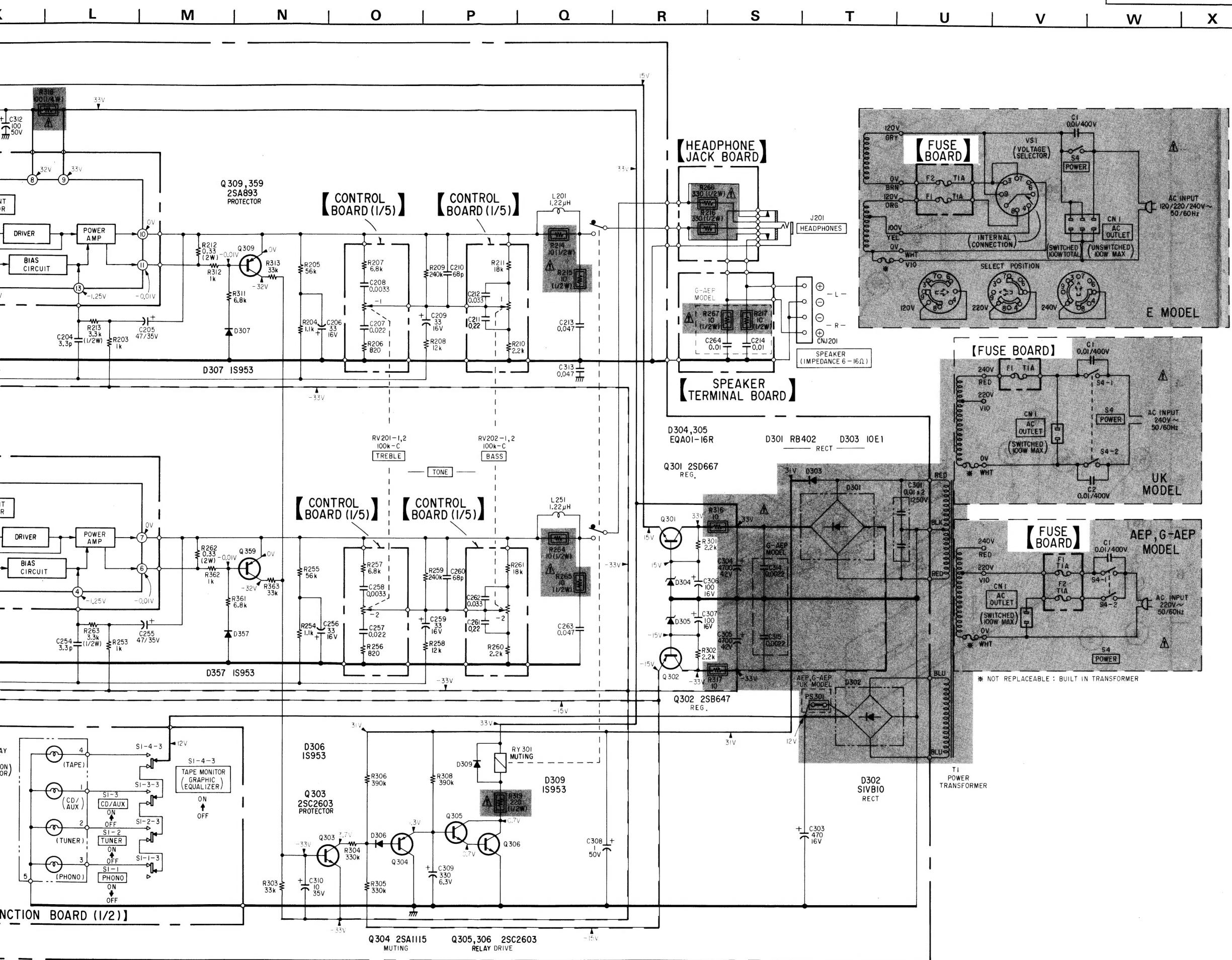


Q	303	304	305, 306
IC	301	302	303

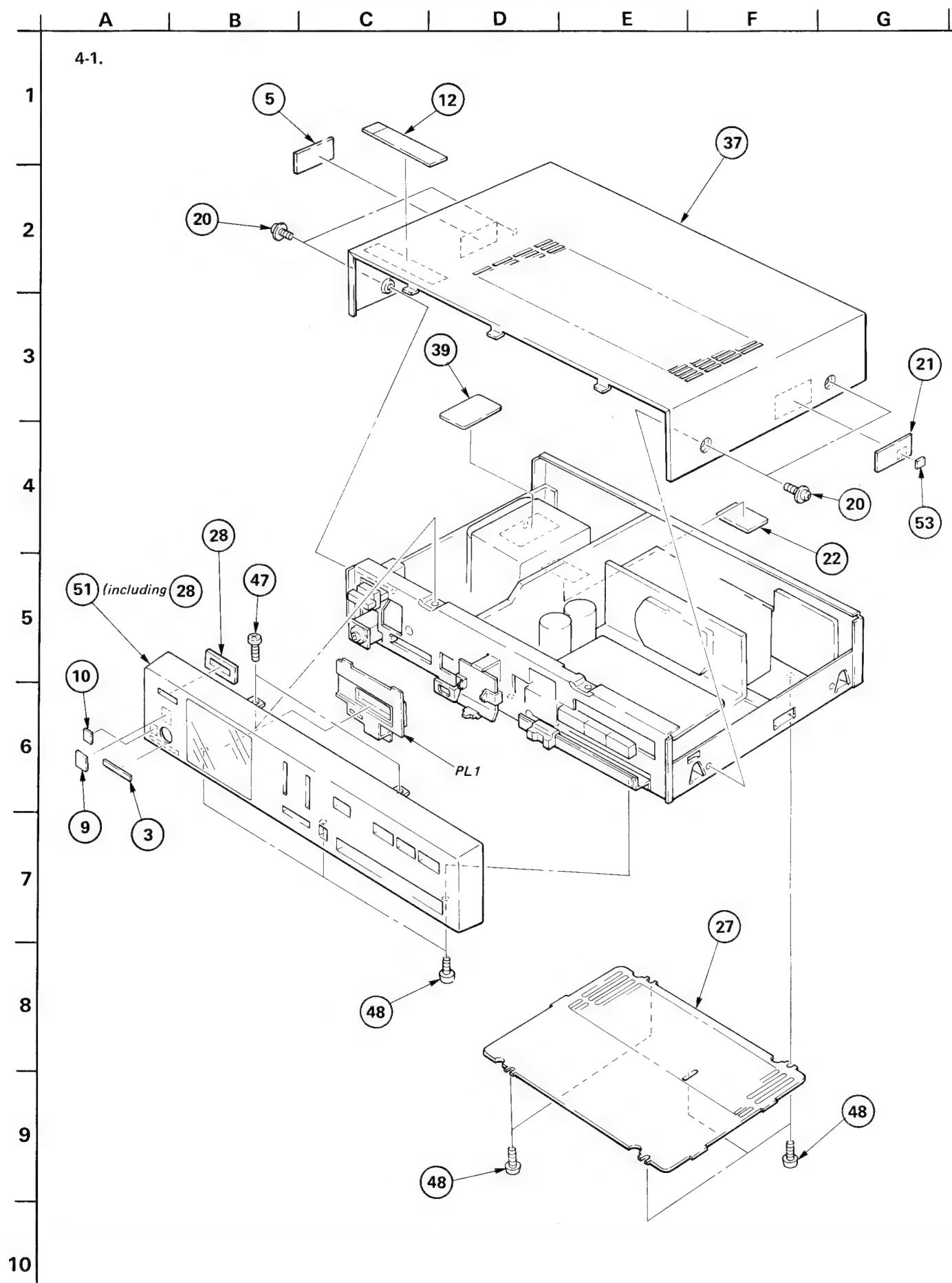
D	306
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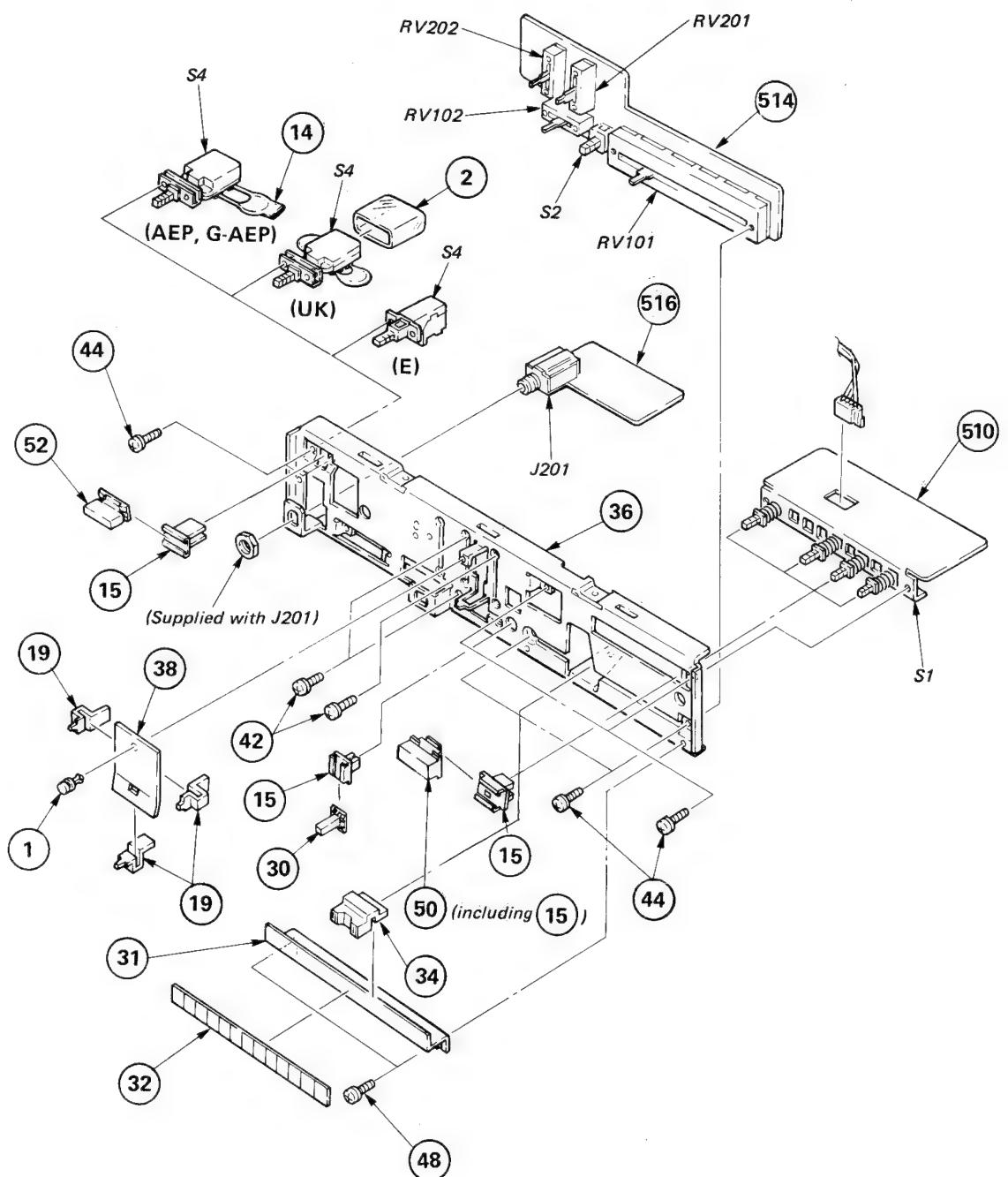


SECTION 4
EXPLODED VIEWS AND PARTS LIST



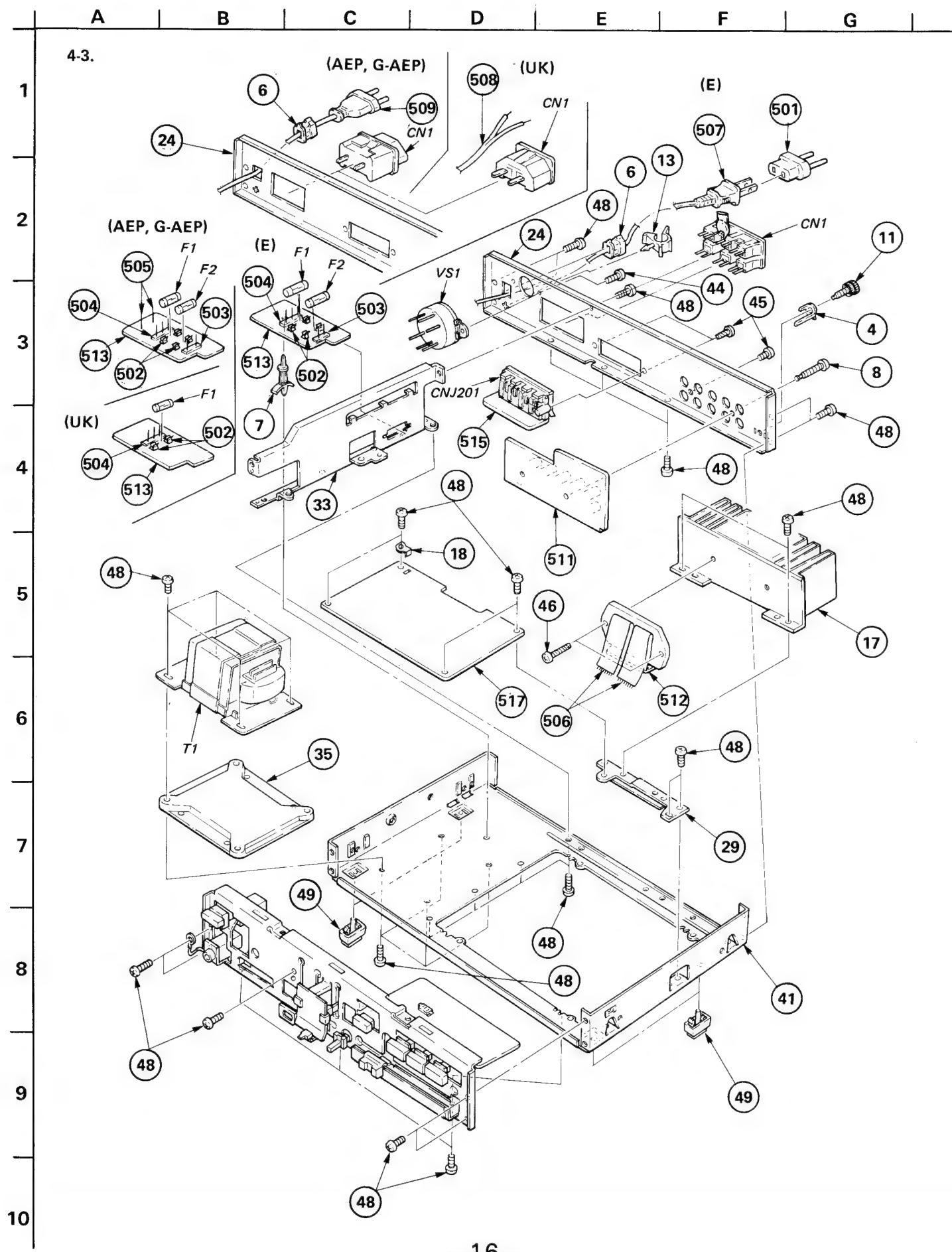
A | B | C | D | E | F | G

4-2.



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GENERAL SECTION

No.	Part No.	Description
1	3-531-576-01	RIVET
2	3-559-001-00	(UK)...COVER, POWER SWITCH
3	3-701-690-00	(UK).....LABEL (MADE IN JAPAN)
4	3-701-993-00	SPACER, TERMINAL
5	3-703-043-00	(UK).....LABEL, CAUTION, MAIN
6	3-703-244-00	BUSHING, CORD
7	3-703-353-05	SUPPORT, PC BOARD
8	3-703-473-00	SCREW, TERMINAL
9	3-703-710-01	(UK,AEP,G-AEP)...STICKER, SONY SYMBOL (12)
10	3-703-713-01	STICKER, SONY SYMBOL (10)
11	3-706-165-00	SCREW
12	4-861-045-00	LABEL, CAUTION
13	4-869-217-00	CLIP, CORD
14	4-875-455-01	(AEP,G-AEP)...COVER (DIA. 20), CAPACITOR
15	4-875-466-00	JOINT (F2), KNOB
16	
17	4-881-415-00	HEAT SINK (A)
18	4-881-629-00	PLATE (A), GROUND
19	4-886-818-01	KNOB, SLIDE CONTROL
20	4-886-821-11	SCREW, M3 CASE
21	4-886-857-00	(AEP,G-AEP)...LABEL, MODEL NUMBER
22	4-886-858-00	(UK).....LABEL, MODEL NUMBER
22	4-886-859-00	(E).....LABEL, MODEL NUMBER
23	
24	4-886-861-21	(AEP,G-AEP)...PANEL, REAR
24	4-886-861-31	(UK).....PANEL, REAR
24	4-886-861-41	(E).....PANEL, REAR
25	
26	
27	4-886-894-11	PLATE, BOTTOM
28	4-886-976-00	ESCUOTHEON, POWER KNOB
29	4-888-022-00	HOLDER, HEAT SINK
30	4-888-025-00	KNOB (D), PUSH
31	4-888-027-00	GUIDE, CONTROL
32	4-888-029-00	ORNAMENT, CONTROL
33	4-888-030-00	REINFORCEMENT
34	4-888-031-00	KNOB, CONTROL, SLIDE
35	4-888-032-00	BASE, TRANSFORMER
36	4-888-034-00	PANEL, SUB
37	4-888-035-00	CASE
38	4-888-040-00	PLATE (A), BACK, CONTROL
39	4-888-041-00	CUSHION, TRANSFORMER
40	
41	4-888-214-11	CHASSIS
42	7-621-255-35	SCREW +P 2X5
43	7-623-508-01	LUG, 3

GENERAL SECTION

No.	Part No.	Description
44	7-682-647-01	SCREW +PS 3X6
45	7-685-646-71	SCREW +BVTP 3X8 TYPE2 IT-3
46	7-685-650-71	SCREW +BVTP 3X16 TYPE2 IT-3
47	7-685-751-09	SCREW +PTT 3X6 (S)
48	7-685-871-01	SCREW +BVTT 3X6 (S)
49	X-4886-405-1	FOOT ASSY
50	X-4886-809-0	KNOB ASSY, PUSH
51	X-4886-810-1	FRONT PANEL ASSY
52	X-4886-903-0	KNOB (L.S) ASSY, POWER
53	3-703-591-02	(G-AEP)....LABEL (23585S)(SMALL), FTZ

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
101	3-701-630-00	BAG, POLYETHYLENE
102	3-773-297-11	(AEP,UK,E)....MANUAL, INSTRUCTION
103	3-773-297-41	(AEP,G-AEP)....MANUAL, INSTRUCTION
104	4-855-809-00	SHEET, PROTECTION
105	4-888-012-00	CUSHION (RIGHT-E), UPPER
106	4-888-013-00	CUSHION (LEFT-E), UPPER
107	4-888-014-00	CUSHION (RIGHT-E), LOWER
108	4-888-015-00	CUSHION (LEFT-E), LOWER
109	4-888-021-00	INDIVIDUAL CARTON

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (Δ-ΔΔΔ-ΔΔΔ-XX or Δ-ΔΔΔΔ-ΔΔΔ-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

- F : nonflammable

COILS

- MMH : mH, UH : μ H

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS

In each case, U : μ , for example:
 UA... : μ A..., UPA... : μ PA..., UPC... : μ PC,
 UPD... : μ PD...

ELECTRICAL PARTS

Ref. No.	Part No.	Description					
501	▲.1-526-565-00	(E)...AC PLUG ADAPTOR					
502	▲.1-533-131-00	HOLDER, FUSE					
503	▲.1-535-139-00	BASE POST 19MM (10MM PITCH)					
504	▲.1-535-140-00	BASE POST 19MM (10MM PITCH)					
505	▲.1-535-416-00	(AEP,G-AEP)...TERMINAL					
506	▲.1-535-466-00	PLATE, JUMPER					
507	▲.1-551-472-00	(E).....CORD, POWER					
508	▲.1-551-884-00	(UK).....CORD, POWER					
509	▲.1-551-908-00	(AEP,G-AEP)...CORD, POWER, EULO PLUG					
510	1-609-805-00	PC BOARD, FUNCTION SW					
511	▲.1-609-806-00	PC BOARD, INPUT & EQ					
512	▲.1-609-808-00	PC BOARD, POWER IC					
513	▲.1-609-809-00	PC BOARD, FUSE					
514	▲.1-609-810-00	PC BOARD, CONTROL					
515	▲.1-609-811-00	PC BOARD, SPEAKER TERMINAL					
516	▲.1-609-829-00	PC BOARD, H.P JACK					
517	A-4388-337-A	(E).....MOUNTED PCB, POWER					
517	A-4388-338-A	(G-AEP).....MOUNTED PCB, POWER					
517	A-4388-344-A	(AEP,UK)....MOUNTED PCB, POWER					
C1	▲.1-161-744-00	CAP, CERAMIC 10000PF	400V				
C2	▲.1-161-744-00	(UK)...CAP, CERAMIC	10000PF	400V			
C101	1-161-320-00	CERAMIC	560PF	10%	50V		
C102	1-161-315-00	CERAMIC	220PF	10%	50V		
C103	1-161-315-00	CERAMIC	220PF	10%	50V		
C104	1-161-315-00	CERAMIC	220PF	10%	50V		
C105	1-123-354-00	ELECT	3.3MF	20%	50V		
C106	1-161-271-00	(AEP,UK,E)...CERAMIC	100PF	5%	50V		
C106	1-161-320-00	(G-AEP).....CERAMIC	560PF	5%	50V		
C107	1-161-269-00	CERAMIC	68PF	5%	50V		
C108	1-123-318-00	ELECT	33MF	20%	16V		
C109	1-108-573-00	MYLAR	0.0056MF	5%	50V		
C110	1-108-559-00	MYLAR	0.0015MF	5%	50V		
C111	1-123-609-00	ELECT	0.33MF	20%	50V		
C112	1-123-318-00	ELECT	33MF	20%	16V		
C113	1-130-621-00	FILM	0.012MF	5%	50V		
C151	1-161-320-00	CERAMIC	560PF	10%	50V		
C152	1-161-315-00	CERAMIC	220PF	10%	50V		
C153	1-161-315-00	CERAMIC	220PF	10%	50V		
C154	1-161-315-00	CERAMIC	220PF	10%	50V		
C155	1-123-354-00	ELECT	3.3MF	20%	50V		
C156	1-161-271-00	(AEP,UK,E)...CERAMIC	100PF	5%	50V		
C156	1-161-320-00	(G-AEP).....CERAMIC	560PF	5%	50V		
C157	1-161-269-00	CERAMIC	68PF	5%	50V		
C158	1-123-318-00	ELECT	33MF	20%	16V		
C159	1-108-573-00	MYLAR	0.0056MF	5%	50V		

ELECTRICAL PARTS

Ref. No.	Part No.	Description					
C160	1-108-559-00	MYLAR	0.0015MF	5%	50V		
C161	1-123-609-00	ELECT	0.33MF	20%	50V		
C162	1-123-318-00	ELECT	33MF	20%	16V		
C163	1-130-621-00	FILM	0.012MF	5%	50V		
C202	1-123-354-00	ELECT	3.3MF	20%	50V		
C203	1-161-315-00	CERAMIC	220PF	10%	50V		
C204	1-161-253-00	CERAMIC	3.3PF	10%	50V		
C205	1-123-359-00	ELECT	47MF	20%	35V		
C206	1-123-318-00	ELECT	33MF	20%	16V		
C207	1-130-624-00	FILM	0.022MF	5%	50V		
C208	1-108-567-00	MYLAR	0.0033MF	5%	50V		
C209	1-123-318-00	ELECT	33MF	20%	16V		
C210	1-161-269-00	CERAMIC	68PF	5%	50V		
C211	1-130-636-00	FILM	0.22MF	5%	50V		
C212	1-130-626-00	FILM	0.033MF	5%	50V		
C213	1-108-595-00	MYLAR	0.047MF	5%	50V		
C214	1-108-579-00	MYLAR	0.01MF	5%	50V		
C252	1-123-354-00	ELECT	3.3MF	20%	50V		
C253	1-161-315-00	CERAMIC	220PF	10%	50V		
C254	1-161-253-00	CERAMIC	3.3PF	10%	50V		
C255	1-123-359-00	ELECT	47MF	20%	35V		
C256	1-123-318-00	ELECT	33MF	20%	16V		
C257	1-130-624-00	FILM	0.022MF	5%	50V		
C258	1-108-567-00	MYLAR	0.0033MF	5%	50V		
C259	1-123-318-00	ELECT	33MF	20%	16V		
C260	1-161-269-00	CERAMIC	68PF	5%	50V		
C261	1-130-636-00	FILM	0.22MF	5%	50V		
C262	1-130-626-00	FILM	0.033MF	5%	50V		
C263	1-108-595-00	MYLAR	0.047MF	5%	50V		
C264	1-108-579-00	MYLAR	0.01MF	5%	50V		
C301	▲.1-102-394-00	CERAMIC	0.01MF	X2	250V		
C303	1-123-487-00	ELECT	470MF	20%	16V		
C304	▲.1-124-362-00	ELECT	4700MF	-20%	42V		
C305	▲.1-124-362-00	ELECT	4700MF	20%	42V		
C306	1-123-484-00	ELECT	100MF	20%	16V		
C307	1-123-484-00	ELECT	100MF	20%	16V		
C308	1-123-380-00	ELECT	1MF	20%	50V		
C309	1-123-476-00	ELECT	330MF	20%	6.3V		
C310	1-123-341-00	ELECT	10MF	20%	35V		
C312	1-123-513-00	ELECT	100MF	20%	50V		
C313	1-108-595-00	MYLAR	0.047MF	5%	50V		
C314	▲.1-161-326-00	CERAMIC	0.0022MF	30%	50V		
C315	▲.1-161-326-00	CERAMIC	0.0022MF	30%	50V		
C316	▲.1-101-002-21	CERAMIC	0.0022MF	30%	50V		

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CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μ F, PF: $\mu\mu$ F.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.
- F : nonflammable

COILS

- MMH : mH, UH : μ H

The components identified by shading and mark ▲ are critical for safety.

Replace only with part number specified.

SEMICONDUCTORS

In each case, U : μ , for example:
 UA...: μ A..., UPA...: μ PA..., UPC...: μ PC,
 UPD...: μ PD...

ELECTRICAL PARTS

Ref. No.	Part No.	Description
CN1	△.1-526-574-00	(E).....OUTLET, AC
CN1	△.1-526-694-00	(AEP, G-AEP)....OUTLET, AC
CN1	△.1-526-751-00	(UK).....OUTLET, AC
CNJ101	1-507-741-21	JACK, PIN 6P
CNJ102	1-507-740-00	JACK, PIN 4P
CNJ201	1-536-705-00	TERMINAL BOARD (SP)
D301	△.8-719-300-57	DIODE RB402
D302	△.8-719-521-10	DIODE S1VB10
D303	△.8-719-200-01	DIODE 10E-1
D304	8-719-901-61	DIODE HZ16-1L
D305	8-719-901-61	DIODE HZ16-1L
D306	8-719-815-55	DIODE 1S1555
D307	8-719-815-55	DIODE 1S1555
D309	8-719-815-55	DIODE 1S1555
D357	8-719-815-55	DIODE 1S1555
F1	△.1-532-078-00	FUSE, TIME LAG
F2	△.1-532-078-00	FUSE, TIME LAG
PL1	●;1-518-530-00	INDICATOR, LAMP
IC101	8-759-935-58	IC TL4558P
IC201	8-749-946-30	IC STK-463
J201	1-507-689-00	JACK, LARGE TYPE
L201	●;1-420-872-00	COIL, AIR CORE
L251	●;1-420-872-00	COIL, AIR CORE
PS301	△.1-532-675-00	PROTECTOR, CIRCUIT
Q301	8-729-306-72	TRANSISTOR 2SD667A
Q302	8-729-364-72	TRANSISTOR 2SB647
Q303	8-729-606-32	TRANSISTOR 2SC2603
Q304	8-729-117-54	TRANSISTOR 2SA1175
Q305	8-729-606-32	TRANSISTOR 2SC2603
Q306	8-729-606-32	TRANSISTOR 2SC2603
Q309	8-729-612-77	TRANSISTOR 2SA1027R
Q359	8-729-612-77	TRANSISTOR 2SA1027R
R101	1-246-461-15	CARBON 330 5% 1/4W
R102	1-246-465-15	CARBON 470 5% 1/4W
R103	1-246-465-15	CARBON 470 5% 1/4W
R104	1-246-465-15	CARBON 470 5% 1/4W
R105	1-246-489-00	CARBON 4.7K 5% 1/4W
R106	1-246-513-00	CARBON 47K 5% 1/4W
R107	1-246-473-00	CARBON 1K 5% 1/4W
R108	1-246-539-00	CARBON 560K 5% 1/4W
R109	1-246-471-00	CARBON 820 5% 1/4W
R110	1-246-539-00	CARBON 560K 5% 1/4W
R111	1-246-513-00	CARBON 47K 5% 1/4W
R112	1-246-521-00	CARBON 100K 5% 1/4W

ELECTRICAL PARTS

Ref. No.	Part No.	Description	1K	5%	1/4W
R113	1-246-473-00	CARBON	2.2K	5%	1/4W
R114	1-246-481-00	CARBON	68K	5%	1/4W
R115	1-246-517-00	CARBON	100K	5%	1/4W
R116	1-246-521-00	CARBON	330	5%	1/4W
R151	1-246-461-15	CARBON	470	5%	1/4W
R152	1-246-465-15	CARBON	4.7K	5%	1/4W
R153	1-246-465-15	CARBON	470	5%	1/4W
R154	1-246-465-15	CARBON	560K	5%	1/4W
R155	1-246-489-00	CARBON	820	5%	1/4W
R156	1-246-513-00	CARBON	1K	5%	1/4W
R157	1-246-473-00	CARBON	560K	5%	1/4W
R158	1-246-539-00	CARBON	470	5%	1/4W
R159	1-246-471-00	CARBON	100K	5%	1/4W
R160	1-246-539-00	CARBON	1K	5%	1/4W
R161	1-246-513-00	CARBON	2.2K	5%	1/4W
R162	1-246-521-00	CARBON	68K	5%	1/4W
R163	1-246-473-00	CARBON	100K	5%	1/4W
R164	1-246-481-00	CARBON	1K	5%	1/4W
R165	1-246-517-00	CARBON	56K	5%	1/4W
R166	1-246-521-00	CARBON	1.1K	5%	1/4W
R201	1-246-473-00	CARBON	56K	5%	1/4W
R202	1-246-515-00	CARBON	56K	5%	1/4W
R203	1-246-473-00	CARBON	1K	5%	1/4W
R204	1-246-474-00	CARBON	1.1K	5%	1/4W
R205	1-246-515-00	CARBON	56K	5%	1/4W
R206	1-246-471-00	CARBON	820	5%	1/4W
R207	1-246-493-00	CARBON	6.8K	5%	1/4W
R208	1-246-499-00	CARBON	12K	5%	1/4W
R209	1-246-530-00	CARBON	240K	5%	1/4W
R210	1-246-481-00	CARBON	2.2K	5%	1/4W
R211	1-246-503-00	CARBON	18K	5%	1/4W
R212	1-207-615-00	RES, METAL PLATE 0.33	2W		
R213	1-244-885-00	CARBON	3.3K	5%	1/2W
R214	△.1-247-192-00	CARBON	10	5%	1/2W F
R215	△.1-247-192-00	CARBON	10	5%	1/2W F
R216	△.1-247-228-00	CARBON	330	5%	1/2W F
R251	1-246-473-00	CARBON	1K	5%	1/4W
R252	1-246-515-00	CARBON	56K	5%	1/4W
R253	1-246-473-00	CARBON	1K	5%	1/4W
R254	1-246-474-00	CARBON	1.1K	5%	1/4W
R255	1-246-515-00	CARBON	56K	5%	1/4W
R256	1-246-471-00	CARBON	820	5%	1/4W
R257	1-246-493-00	CARBON	6.8K	5%	1/4W
R258	1-246-499-00	CARBON	12K	5%	1/4W
R259	1-246-530-00	CARBON	240K	5%	1/4W

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers (△-△△-△△-XX or △-△△△-△△-X) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

COILS

- MMH : mH, UH : μ H

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

SEMICONDUCTORS

In each case, U : μ , for example: UA... : μ A..., UPA... : μ PA..., UPC... : μ PC, UPD... : μ PD...

ELECTRICAL PARTS

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			
R260	1-246-481-00	CARBON	2.2K	5%	1/4W
R261	1-246-503-00	CARBON	18K	5%	1/4W
R262	1-207-615-00	RES, METAL PLATE	0.33		2W
R263	1-244-885-00	CARBON	3.3K	5%	1/2W
R264	▲.1-247-192-00	CARBON	10	5%	1/2W
R265	▲.1-247-192-00	CARBON	10	5%	1/2W
R266	▲.1-247-228-00	CARBON	330	5%	1/2W
R301	1-246-481-00	CARBON	2.2K	5%	1/4W
R302	1-246-481-00	CARBON	2.2K	5%	1/4W
R303	1-246-509-00	CARBON	33K	5%	1/4W
R304	1-246-533-00	CARBON	330K	5%	1/4W
R305	1-246-533-00	CARBON	330K	5%	1/4W
R306	1-246-535-00	CARBON	390K	5%	1/4W
R308	1-246-535-00	CARBON	390K	5%	1/4W
R311	1-246-493-00	CARBON	6.8K	5%	1/4W
R312	1-246-473-00	CARBON	1K	5%	1/4W
R313	1-246-509-00	CARBON	33K	5%	1/4W
R316	▲.1-247-083-00	CARBON	10	5%	1/4W
R317	▲.1-247-083-00	CARBON	10	5%	1/4W
R318	▲.1-247-107-00	CARBON	100	5%	1/4W
R319	▲.1-247-224-00	CARBON	220	5%	1/2W
R361	1-246-493-00	CARBON	6.8K	5%	1/4W
R362	1-246-473-00	CARBON	1K	5%	1/4W
R363	1-246-509-00	CARBON	33K	5%	1/4W
RV101	1-228-381-00	RES, VAR, SLIDE	250K		
RV102	1-228-379-00	RES, VAR, SLIDE	250K		
RV201	1-228-380-00	RES, VAR, SLIDE	100K		
RV202	1-228-380-00	RES, VAR, SLIDE	100K		
RY301	1-515-503-00	RELAY			
S1	1-554-443-00	SWITCH, PUSH (4 KEY)			
S2	1-554-444-00	SWITCH, PUSH (1 KEY)			
S4	▲.1-553-447-00	(AEP,G-AEP,UK).....SWITCH, POWER			
S4	▲.1-553-318-00	(E).....SWITCH, POWER			
T1	▲.1-447-553-00	(E).....TRANSFORMER, POWER			
T1	▲.1-447-554-00	(AEP,G-AEP,UK).....TRANSFORMER, POWER			
VS1	▲.1-526-576-31	(E).....SELECTOR, POWER VOLTAGE			

NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- Items marked "♦" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part numbers ($\Delta\Delta\Delta\Delta\Delta\Delta-XX$ or $\Delta-\Delta\Delta\Delta\Delta-\Delta\Delta-X$) may be different from those used in the set.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers. MF: μ F, PF: μ uF.

RESISTORS

- All resistors are in ohms. Common 1/4W, 1/8W and 1/16W carbon resistors are omitted. Refer to the following lists for their part numbers.

• F :

COILS

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

SEMICONDUCTORS

SEMICONDUCTORS
In each case, $U \propto \mu$, for example:
 $UA \dots \propto \mu A \dots$, $UPA \dots \propto \mu PA \dots$, $UPC \dots \propto \mu PC$,
 $UPD \dots \propto \mu PD \dots$

Sony Corporation
Consumer Products Group
Technical Support Dept.